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Copper Controlled Materials

FOURTH QUARTER 1981

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The statistics in this publication are based on a survey of all known producers of brass mill products and copper-based powder products and a 95 percent sample of producers of wire mill products. The figures represent total U.S. shipments of copper-base mill and foundry products.

Total shipments of copper-base mill and foundry products amounted to 1,306 million pounds in fourth quarter, a 12 per-

cent decrease from the third quarter level of 1,481 million pounds. Copper wire mill shipments, at 628 million pounds, were down 11 percent. Within this group, bare wire decreased 9 percent; insulated communication wire decreased 9 percent; and other insulated wire decreased 12 percent.

A description of the survey methodology and related information may be found in the first quarter 1981 report for this series, ITA-9008(81)-1, issued July 1981.

Table 1. SUMMARY OF SHIPMENTS OF COPPER-BASE MILL AND FOUNDRY PRODUCTS

(Millions of pounds - metal weight)

Quarter and year	Total	Brass mill products		Copper wire mill products ¹			Brass and bronze foundry products ³	Copper-base powder mill product
		Alloyed	Unalloyed	Bare wire ²	Insulated communication wire	Other insulated wire		
1981								
1981, total.....	5,970	1,706	930	325	747	1,744	471	47
Fourth quarter.....	1,306	361	197	74	171	383	109	11
Third quarter.....	1,481	437	215	81	188	433	116	11
Second quarter.....	1,592	462	254	88	192	458	125	13
First quarter.....	1,591	446	264	82	196	470	121	12
1980								
1980, total.....	5,786	1,508	959	293	797	1,693	489	47
Fourth quarter.....	1,361	372	239	67	154	401	115	13
Third quarter.....	1,342	320	212	61	221	412	108	8
Second quarter.....	1,398	355	232	79	203	398	120	11
First quarter.....	1,659	440	276	86	219	482	141	15
1979, total.....	6,707	1,869	1,107	236	846	1,966	617	66
1978, total.....	6,266	1,750	962	238	806	1,867	580	63

Note: Detail may not add to totals due to independent rounding.

¹Represents copper content weight, rather than metal weight.²Represents uninsulated, bare tinned, and/or alloy coated wire.³Source: Bureau of the Census Current Industrial Reports Series M33E, Nonferrous Castings.

Table 2. SHIPMENTS OF COPPER-BASE MILL AND FOUNDRY PRODUCTS

(Millions of pounds - metal weight)

Product	1981		1980 Fourth quarter
	Fourth quarter	Third quarter	
Total shipments.....	1,306	1,481	1,361
Copper-base mill products.....	558	652	611
Copper-base alloy:			
Sheet and strip ¹	180	196	174
Rod, bar, and wire.....	152	208	168
Tube and pipe.....	29	33	30
Unalloyed copper:			
Sheet and strip.....	46	46	43
Rod, bar, and wire ²	27	30	30
Tube and pipe.....	124	139	166
Copper wire mill products ³	628	702	622
Bare wire ⁴	74	81	67
Insulated communication wire.....	171	188	154
Other insulated wire.....	383	433	401
Brass and bronze foundry products ⁵	109	116	115
Copper-base powder mill products.....	11	11	13
Copper-base alloy:			
Granular.....	2	2	2
Flake.....	(Z)	(Z)	(Z)
Unalloyed copper:			
Granular.....	8	8	10
Flake.....	1	1	1

Note: Detail may not add to totals due to independent rounding. Monthly shipments data for brass mills and copper wire mills of primary companies are available in Current Industrial Reports Series M33K, Inventories of Brass and Copper Wire Mill Shapes.

^rRevised by 5 percent or more from previously published figures. (Z) Less than 500,000 pounds.

¹Military ammunition cups and discs are included on net-weight basis, i.e., excluding the weight of the webbing scrap generated in the cupping and discing.

²Does not include electrical wire.

³Represents copper content weight, rather than metal weight.

⁴Represents uninsulated, bare, tinned, and/or alloy coated wire.

⁵Source: Bureau of the Census Current Industrial Reports Series M33E, Nonferrous Castings.

Table 3. COPPER-BASE MILL PRODUCTS, SHIPMENTS, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION: 1981

(Quantity in millions of pounds; value in \$1,000)

Product ¹	Manufacturers' shipments	Exports of domestic merchandise ^{1,2}		Estimated producers' value ³	Percent, exports to manufacturers' shipments (quantity)	Imports for consumption ^{1,4}		Apparent consumption ⁶ (quantity)	Percent, imports to apparent consumption (quantity)
		Quantity	Value at port			Quantity	Value ⁵		
FOURTH QUARTER 1981									
Copper-base mill products ⁷	643	20	56,152	54,665	3	83	100,160	706	12
Breece mill products:									
Copper-base alloy:									
Sheet end strip.....	180	2	9,266	9,017	1	34	35,832	360	9
Rod, bar, and wire.....	152	4	6,923	6,737	3	14	21,319	40	35
Tube and pipe.....	29	3	12,252	11,922	10				
Unalloyed copper:									
Sheet and strip.....	46	1	2,431	2,366	2	15	18,380	83	18
Rod, bar, and wire.....	27	4	7,188	6,995	15	10	13,017	131	8
Tube and pipe.....	124	3	5,720	5,566	2				
Copper wire mill products, bare wire.....	174	3	11,517	11,207	4	9	10,060	80	11
Copper-base powder mill products:									
Copper-base alloy:									
Granular.....	2								
Flake.....	(2)								
Unalloyed copper:									
Granular.....	8					1	1,552	12	8
Flake.....	1								
THIRD QUARTER 1981									
Copper-base mill products ⁷	744	25	61,956	60,320	3	114	123,203	833	14
Breece mill products:									
Copper-base alloy:									
Sheet end strip.....	196	2	8,119	7,901	1	69	64,409	467	15
Rod, bar, and wire.....	208	4	6,585	6,408	2	14	20,822	41	34
Tube and pipe.....	33	6	16,686	16,237	18				
Unalloyed copper:									
Sheet end strip.....	46	(2)	820	798	(2)	14	16,089	85	16
Rod, bar, and wire.....	30	5	6,821	6,638	17	10	12,814	145	7
Tube and pipe.....	139	4	7,389	7,190	3				
Copper wire mill products, bare wire.....	181	3	14,438	14,050	4	6	7,642	84	7
Copper-base powder mill products:									
Copper-base alloy:									
Granular.....	2								
Flake.....	(2)								
Unalloyed copper:									
Granular.....	8					1	1,427	11	9
Flake.....	1								

¹Revised by 5 percent or more from previously published figures.⁽²⁾Less than half the stated unit of measure.¹A comparison of domestic manufacturers' shipments, export, and import codes for copper-base mill products appears in the 1980 annual summary report for this series, ITA-9008(81)-2, issued in combination with the second quarter 1981 report in November 1981.²Source: Bureau of the Census Report EX-546, U.S. Exports--Schedule B--Commodity by Country.³These values were derived by use of adjustment factors to exclude freight, insurance, and other charges incurred in moving goods to the port of export. This adjustment is made to convert the values to an approximation of the producers' value of exported goods. Current adjustment factors (0.9731 for industry group 335 relating to brass mill and copper wire mill products and 1.000 for industry group 339 relating to copper-base powder mill products) are based on data for 1980 which are published in Origin of Exports of Manufactured Products, M80(AS)-8, appendix A.⁴Source: Bureau of the Census Report IM 145-X, U.S. Imports for Consumption and General Imports.⁵Represents the c.i.f. (cost, insurance, and freight) value at the first port of entry in the United States plus U.S. import duties.⁶Apparent consumption is derived by subtracting exports from the total of net shipments plus imports.⁷This total does not include either insulated wire and cable products or brass bronze foundry products.

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